

Abstract of the Disclosure

CATALYTIC CONVERTER ASSEMBLY

An embodiment includes an apparatus and method of distributing gases within a catalytic converter assembly. Gases flow through at least one inlet into a housing and out of the housing through at least one outlet. A substrate is disposed at least partially between at least one of the at least one inlet and at least one of the at least one outlet. The mass flow rate of the gases across at least one surface of a deflector are substantially equalized as the gases flow through at least one of the at least one inlet into the housing and out of the housing through at least one of the at least one outlet.